

# I. PATENT ABSTRACTS OF JAPAN

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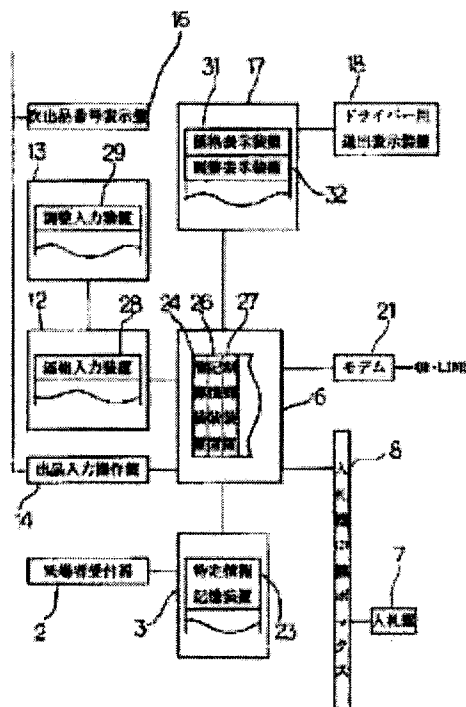
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AKATA JIRO

## (54) AUCTION PRICE ADJUSTING DEVICE FOR VEHICLE OR THE LIKE

(57)Abstract:

PURPOSE: To attain the improvement of a rate of a successful bid by adjustment close to manual auction to meet the situation by adding the judgement and the adjustment of a seller and a conductor and the margin of the reconsideration of a purchaser.

CONSTITUTION: A specified information storage device 23 stores specified information consisting of the inputted information of a sold object and the information relating to a seller and a purchaser, and a price input device 28 inputs a bid price or a topped amount of money, and a bidding machine 7 inputs the answer of the purchaser for the bid price, and an arithmetic unit 24 calculates the next bid price from the bid price and the topped amount of money. A controller 6 stores the inputted information and a calculated result, and outputs a part or the all of each stored information and the specified information to a display device. Then, in the case that the final bid price before the failure of auction is below the desired price of the seller, an adjustment input device 29 inputs the price adjusted between the seller and the conductor or the adjusted balance of difference between the adjusted price and the bid price to a control device 27. An adjustment display device 32 displays the inputted result of the adjustment input device 29 by the controller, etc.



## CLAIMS

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[Claim(s)]

[Claim 1] In a machine auction device characterized by comprising the following, In a purchase person, the adjustment balance or these which are the difference of an adjusted price or this adjusted price, and a \*\*\*\* price which were adjusted between an exhibitor and a conductor when the last \*\*\*\* price before an unsuccessful bid was less than an exhibitor's desired price carry, and by \*\*. Auction price adjustment equipment, such as vehicles provided with an adjustment display device (32) which displays an input result of the above-mentioned adjustment input device (29) with an adjustment input device (29) which inputs into a control device (27) the amount of money which is the result of changing, and the above-mentioned control device (27). Specific information memory storage (23) which memorizes specific information including information about information, an exhibitor, and a purchaser of an inputted subject.

A price input device (28) which inputs a \*\*\*\* price and the amount [ as opposed to / drive and / \*\*\*\*\* ] of the upper load.

\*\*\*\* price display equipment (31) which can describe in a top and displays \*\*\*\*\*.

A control device (27) which a purchaser remembers said input and the result of an operation to be the arithmetic units (24) which compute the following \*\*\*\* price from a bid machine (7) which carries out a response input to a \*\*\*\* price, and a \*\*\*\* price and the amount of the upper load, and outputs a part or all of these memory information and said specific information to a display device.

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[Translation done.]

## DETAILED DESCRIPTION

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[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to auction price adjustment equipment, such as vehicles used at mechanical auctions, such as a secondhand car.

[0002]

[Description of the Prior Art] In order to cancel the inefficiency of \*\*\*\*\* for which \*\*\*\* people bid in the conventional auto auction to the price which a conductor presents, The machine auction which performs \*\*\*\* with the bid machine by the side of the \*\*\*\* people linked to the POS computer and this is performed, \*\*\*\* was continued and it had become the following composition as that equipment until the constant sum [ every ] \*\*\*\* price was automatically raised at this machine auction from the start prices of exhibition vehicles according to \*\*\*\*, and it was awarded eventually or it bid unsuccessfully in disagreement with an exhibitor's desired price.

[0003] Namely, specific information memory storage which memorizes the specific information which consists of information about the information, exhibitor, and purchaser of the exhibition subject inputted beforehand, A price input device which inputs a \*\*\*\* price and the amount [ as opposed to / drive and / \*\*\*\*\* ] of the upper load, and \*\*\*\* price display equipment which can describe in a top and displays \*\*\*\*\* , It has an arithmetic unit which computes the \*\*\*\* price of

the bid machine in which a purchaser does a response input to a \*\*\*\* price, and a \*\*\*\* price and the amount of the upper load to the next, and a control device which memorizes said input and the result of an operation, and outputs a part or all of these memory information and said specific information to a display device.

[0004]

[Problem to be solved by the invention]However, in the conventional mechanical auction, when \*\*\*\* going up stopped, it was a system automatically bid unsuccessfully after 1-hour progress, and adaptable processing like \*\*\*\*\* which a conductor manages could not be taken, but there was unreasonableness in which the possible exhibit of an award of contract was also bid unsuccessfully according to management.

[0005]

[Means for solving problem]What uses as an offer plug that this invention is characterized by that comprises the following.

It is what uses as an offer plug the equipment which compensates the fault of the conventional mechanical auction [ like ], seasons the above with the goodness of \*\*\*\*\*, and can expect the number of processing from it in addition, As opposed to conventional equipment, The adjustment input device 29 which inputs into the control device 27 the amount of money whose adjustment balance or these which are the difference of the adjusted price or this adjusted price, and \*\*\*\* price which were adjusted between the exhibitor and the conductor when the last \*\*\*\* price before an unsuccessful bid was less than an exhibitor's desired price are the results of carrying and changing by \*\* for a purchase person.

The adjustment display device 32 which displays the input result of the above-mentioned adjustment input device 29 with the above-mentioned control device 27.

[0006]

[Function]The specific information memory storage 23 memorizes the specific information which consists of information about the information, exhibitor, and purchaser of the inputted exhibition subject, Drive price input device 28, \*\*\*\*\* drives, and the amount of the upper load to \*\*\*\*\* is inputted, A top can describe the \*\*\*\* price display equipment 31, display \*\*\*\*\*, and a purchaser does the response input of the bid machine 7 to a \*\*\*\* price, Arithmetic unit 24, it drives and the following \*\*\*\* price is computed from \*\*\*\*\* and the amount of the upper load, and a controller memorizes said input and the result of an operation, and outputs a part or all of these memory information and said specific information to a display device.

[0007]The adjustment input device 29, When the last \*\*\*\* price before an unsuccessful bid is less than an exhibitor's desired price, the adjustment balance or these which are the difference of the adjusted price or this adjusted price, and \*\*\*\* price which were adjusted between the exhibitor and the conductor input into the control device 27 the amount of money which is the result of carrying and changing by \*\* as for a purchase person. the adjustment display device 32 is the above-mentioned controller -- the input result of the above-mentioned adjustment input device 29 is displayed more.

[0008]

[Working example]The participating purchaser who drawing 1 is a block diagram of a system and equipment showing the working example of this invention, and was first registered beforehand on the occasion of the auction inserts the membership card 1 in the visitor reception machine 2, and performs a reception check and a check, After finishing an input to the host computer 3, with the printer 4 for reception, a reception certificate is received and it comes in.

"Specific information", such as a desired price etc. of other exhibitors who are the information about the name of a purchaser and an exhibitor, the existence of participating qualification, a prohibition person's check information, a track record, etc., a type of a car about exhibition vehicles, other model and vehicle state detailed information, etc. beforehand, is inputted into the above-mentioned host computer 3, and it memorizes, Such specific information is inputted into the central controller 6 with which the auction hall was equipped in advance of the auction, or is outputted at any time.

[0009]The central controllers 6 are computer paraphernalia which carry out \*\*\*\* processing in the auction hall, On the other hand, it is connected with the purchase bid machine 7 prepared for the purchaser's seat via the bid machine junction box 8, The bid switch 9 for putting on the purchase bid machine 7 after a start price, and answering \*\*\*\*\* etc. is attached, and it has the composition that the purchaser who ended reception in the auction hall inserts the auction card 11 at the auction hall, and performs the check and check of intervention.

[0010][0010]. Conductor (CD) distribution power board 1 \*\*\*\*\* which a conductor inputs into - RA 6 as the auction processing matter of change of a numerical value or others from a start to an end at central KO according to advance of \*\*\*\* on the other hand.

It is carried out and to the CD distribution power board 12 further in the adjustment room attached to the auction hall, The adjustment room distribution power board 13 which performs the input at the time of adjusting the desired price to a \*\*\*\* price between a conductor and an exhibitor, and deciding an adjusted price, etc. should be connected, and this adjustment room distribution power board 13 is provided with the function same in general as the CD distribution power board 12, and connect it to the central controller 6 directly.

[0011]the following exhibition number display board 16 by which the exhibition alter operation board 14 is furthermore connected to the central controller 6, and inputs the exhibition number of the subject vehicle in which the present \*\*\*\*\* is performed, and the exhibition number of some vehicles which continue after that one by one, and it is indicated by an electric light at the hall -- output displaying of the contents is carried out to ... The contents of an auction which are the minimum well-known matter performed by the participating purchaser and computer, and a result, While being displayed on the electric signboard 17 which is installed in the hall and connected to the central controller 6, the recession indicator 18 for drivers with a speaker which performs the end of an auction and recession directions to the driver of a subject vehicle is connected to this electric-sign board 17 or the central controller 6.

[0012]In addition, the amplifier in the hall, the \*\*\*\* result printer 19, and the modem 21 that makes connection for information exchange with the other halls in case it connects with the other halls and an auction is performed are attached to the central controller 6. To connect between the halls as mentioned above and perform the auction in two or more halls, it is necessary to form the image display device (not shown) which displays the detailed information of exhibition vehicles on a picture, and is displayed on each hall.

[0013]Specific information memory storage 23 which memorizes the already described specific information, and pieces of other equipment is built in said host computer 3, The arithmetic unit 24 which puts on the central controller 6 a start price and after that, and integrates \*\*\*\*\* and the amount of the upper load (a part for a \*\*\*\* price hike), It has the control device 27 grade which processes the above-mentioned memory information besides [ which memorizes required information, including specific information, the inputted \*\*\*\* price, a purchaser's tender information said result of an operation, etc., ] the memory storage 26, and displays these parts or

all on the electric-sign board 17.

[0014]And the CD distribution power board 12 is provided with the price input device 28 as for which can burn few and \*\*\*\*\* drives and which inputs the amount of the upper load to \*\*\*\*\* . Similarly in the adjustment room distribution power board 14, In a purchase person, the adjustment balance or these which are the difference of the adjusted price or this adjusted price, and \*\*\*\* price which were adjusted between the exhibitor and the conductor when the last \*\*\*\* price before an unsuccessful bid was less than an exhibitor's desired price carry, and by \*\*. It has the adjustment input device 29 which inputs into a control device the amount of money which is the result of changing.

[0015]Run to the electric-sign board 17 and the price display equipment 31 and the adjustment balance which display \*\*\*\*\* like "000 more yen", Or the adjustment display device 32 etc. which indicate the adjusted price by a display directly. As shown in drawing 1, an exhibition number. The exhibition number display 33 and purchaser number to display. The model of the purchaser display device 34 to display and vehicles. The bid display device 38 which carries out lamp display of the model display device 36 to display, the evaluation-items display device 37 which expressed the value display of vehicles numerically, the bid situation, etc., the far and near display device 39 showing the distance of a \*\*\*\* price to an exhibitor's desired price, and the award-of-contract display-device which blinks at time of award of contract 41 grade are provided. The adjustment display device 32 serves as the display device which displays the comment message about vehicles and others, for example like "today's specially selected car" before price adjustment with an exhibitor and a conductor.

In the adjustment input device 29, switching operation of these is carried out with a change-over switch.

[0016]next -- if the main operations, the operation of display equipment, etc. are explained, the tender display device 38 of the electric-sign board 17 in drawing 1 will be divided into three colors of green, yellow, and red -- for example, one tender -- said -- each different colors shows the character in 2 and beyond said 3, and different colors, such as red and green, shows the character of a "award of contract" and a "unsuccessful bid" similarly. The far and near display device 39 also expresses characters, such as "it is near", "sell out" out, and a "check", with different colors.

[0017]In [ while drawing 4 example/ each /-\*\*\*\*\* the display 12a of the CD distribution power board 12, and the keyboard 12b and various kinds of data which is illustrated can check with a conductor's hand ] the keyboard 12b, The start of \*\*\*\*, a price input, an award-of-contract check, etc. are performed, and the time set of \*\*\*\* processing, etc. are possible.

[0018]drawing 5 expresses the display 13a of the adjustment room distribution power board 13, and the keyboard 13b, and display information and the contents of operation are substantially the same as the case of the CD distribution power board 12, although like, Auxiliary operation of a main conductor's operation is possible, and also the input of the adjustment balance which is an adjustment (adjusted price = with no hall display) input with the exhibitor desired price after the \*\*\*\* price stop in the hall or a difference of an adjusted price and a \*\*\*\* price, a display, etc. are performed. The adjustment balance is inputted and displayed by UP or DOWN operation.

Although the comment in the CD distribution power board 12 and the adjustment room distribution power board 13 is inputted by each comment key 12c and 13c and it is displayed on the adjustment display device 32 instead of other comment displays, for example, -- "-- a display like after OO 1000 yen" -- rising -- it decreases the unit amount of money (for example, 3000

yen) every. And it indicates that the "after OO circle" became becomes zero at "\*\*\*\*\*."

[0019]If operation of the above auction devices is performed like the flow chart of drawing 2, more than an exhibitor's desired price carries by \*\*\*\* of a machine response after the start of a mechanical auction and it stops by \*\*\*\*\*, will end the auction of the exhibit concerned by award of contract, but. Even if a \*\*\*\*\* price stops, when there are a desired price and a fall, a desired price is adjusted by the exhibitor and a conductor, the difference (adjustment balance) of the adjusted price and \*\*\*\* price is displayed, by telling the range which can be awarded to a purchaser, it carries again and \*\* is started. And it goes on in the following \*\*\*\* price, carrying again and bringing down the adjustment balance one by one by \*\*.

[0020]

[Effect of the Invention]As opposed to the unsuccessful bid case of many exhibits in the conventional mechanical auction device which does not have room for human judgment or adjustment to go into management of an auction according to the equipment of this invention constituted as mentioned above, Since the room of reconsideration of judgment of an exhibitor and a conductor and adjustment, and a purchaser is considered, it is effective in the quick nature of the auction by machine processing and the advantage of abundant processing, and improvement in the bid ratio by the adaptable adjustment near \*\*\*\*\* being expectable, and auction processing that economical efficiency is very high is attained.

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[Translation done.]

## TECHNICAL FIELD

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[Industrial Application]This invention relates to auction price adjustment equipment, such as vehicles used at mechanical auctions, such as a secondhand car.

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[Translation done.]

## PRIOR ART

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[Description of the Prior Art]In order to cancel the inefficiency of \*\*\*\*\* for which \*\*\*\* people bid in the conventional auto auction to the price which a conductor presents, The machine auction which performs \*\*\*\* with the bid machine by the side of the \*\*\*\* people linked to the POS computer and this is performed, \*\*\*\* was continued and it had become the following composition as that equipment until the constant sum [ every ] \*\*\*\* price was automatically raised at this machine auction from the start prices of exhibition vehicles according to \*\*\*\*, and it was awarded eventually or it bid unsuccessfully in disagreement with an exhibitor's desired price.

[0003]Namely, specific information memory storage which memorizes the specific information which consists of information about the information, exhibitor, and purchaser of the exhibition subject inputted beforehand, A price input device which inputs a \*\*\*\* price and the amount [ as opposed to / drive and / \*\*\*\*\* ] of the upper load, and \*\*\*\* price display equipment which can

describe in a top and displays \*\*\*\*\*, It has an arithmetic unit which computes the \*\*\*\* price of the bid machine in which a purchaser does a response input to a \*\*\*\* price, and a \*\*\*\* price and the amount of the upper load to the next, and a control device which memorizes said input and the result of an operation, and outputs a part or all of these memory information and said specific information to a display device.

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[Translation done.]

## **EFFECT OF THE INVENTION**

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[Effect of the Invention]As opposed to the unsuccessful bid case of many exhibits in the conventional mechanical auction device which does not have room for human judgment or adjustment to go into management of an auction according to the equipment of this invention constituted as mentioned above, Since the room of reconsideration of judgment of an exhibitor and a conductor and adjustment, and a purchaser is considered, it is effective in the quick nature of the auction by machine processing and the advantage of abundant processing, and improvement in the bid ratio by the adaptable adjustment near \*\*\*\*\* being expectable, and auction processing that economical efficiency is very high is attained.

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[Translation done.]

## **TECHNICAL PROBLEM**

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[Problem to be solved by the invention]However, in the conventional mechanical auction, when \*\*\*\* going up stopped, it was a system automatically bid unsuccessfully after 1-hour progress, and adaptable processing like \*\*\*\*\* which a conductor manages could not be taken, but there was unreasonableness in which the possible exhibit of an award of contract was also bid unsuccessfully according to management.

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[Translation done.]

## **MEANS**

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[Means for solving problem]What uses as an offer plug that this invention is characterized by that comprises the following.

It is what uses as an offer plug the equipment which compensates the fault of the conventional mechanical auction [ like ], seasons the above with the goodness of \*\*\*\*\*, and can expect the number of processing from it in addition, As opposed to conventional equipment, The

adjustment input device 29 which inputs into the control device 27 the amount of money whose adjustment balance or these which are the difference of the adjusted price or this adjusted price, and \*\*\*\* price which were adjusted between the exhibitor and the conductor when the last \*\*\*\* price before an unsuccessful bid was less than an exhibitor's desired price are the results of carrying and changing by \*\* for a purchase person.

The adjustment display device 32 which displays the input result of the above-mentioned adjustment input device 29 with the above-mentioned control device 27.

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[Translation done.]

## OPERATION

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[Function]The specific information memory storage 23 memorizes the specific information which consists of information about the information, exhibitor, and purchaser of the inputted exhibition subject, Drive price input device 28, \*\*\*\*\* drives, and the amount of the upper load to \*\*\*\*\* is inputted, A top can describe the \*\*\*\* price display equipment 31, display \*\*\*\*\* , and a purchaser does the response input of the bid machine 7 to a \*\*\*\* price, Arithmetic unit 24, it drives and the following \*\*\*\* price is computed from \*\*\*\*\* and the amount of the upper load, and a controller memorizes said input and the result of an operation, and outputs a part or all of these memory information and said specific information to a display device.

[0007]The adjustment input device 29, When the last \*\*\*\* price before an unsuccessful bid is less than an exhibitor's desired price, the adjustment balance or these which are the difference of the adjusted price or this adjusted price, and \*\*\*\* price which were adjusted between the exhibitor and the conductor input into the control device 27 the amount of money which is the result of carrying and changing by \*\* as for a purchase person. the adjustment display device 32 is the above-mentioned controller -- the input result of the above-mentioned adjustment input device 29 is displayed more.

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[Translation done.]

## EXAMPLE

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[Working example]The participating purchaser who drawing 1 is a block diagram of a system and equipment showing the working example of this invention, and was first registered beforehand on the occasion of the auction inserts the membership card 1 in the visitor reception machine 2, and performs a reception check and a check, After finishing an input to the host computer 3, with the printer 4 for reception, a reception certificate is received and it comes in. "Specific information", such as a desired price etc. of other exhibitors who are the information about the name of a purchaser and an exhibitor, the existence of participating qualification, a prohibition person's check information, a track record, etc., a type of a car about exhibition



vehicles, other model and vehicle state detailed information, etc. beforehand, is inputted into the above-mentioned host computer 3, and it memorizes, Such specific information is inputted into the central controller 6 with which the auction hall was equipped in advance of the auction, or is outputted at any time.

[0009]The central controllers 6 are computer paraphernalia which carry out \*\*\*\* processing in the auction hall, On the other hand, it is connected with the purchase bid machine 7 prepared for the purchaser's seat via the bid machine junction box 8, The bid switch 9 for putting on the purchase bid machine 7 after a start price, and answering \*\*\*\*\* etc. is attached, and it has the composition that the purchaser who ended reception in the auction hall inserts the auction card 11 at the auction hall, and performs the check and check of intervention.

[0010][0010]. Conductor (CD) distribution power board 1 \*\*\*\*\* which a conductor inputs into - RA 6 as the auction processing matter of change of a numerical value or others from a start to an end at central KO according to advance of \*\*\*\* on the other hand.

It is carried out and to the CD distribution power board 12 further in the adjustment room attached to the auction hall, The adjustment room distribution power board 13 which performs the input at the time of adjusting the desired price to a \*\*\*\* price between a conductor and an exhibitor, and deciding an adjusted price, etc. should be connected, and this adjustment room distribution power board 13 is provided with the function same in general as the CD distribution power board 12, and connect it to the central controller 6 directly.

[0011]the following exhibition number display board 16 by which the exhibition alter operation board 14 is furthermore connected to the central controller 6, and inputs the exhibition number of the subject vehicle in which the present \*\*\*\*\* is performed, and the exhibition number of some vehicles which continue after that one by one, and it is indicated by an electric light at the hall -- output displaying of the contents is carried out to ... The contents of an auction which are the minimum well-known matter performed by the participating purchaser and computer, and a result, While being displayed on the electric signboard 17 which is installed in the hall and connected to the central controller 6, the recession indicator 18 for drivers with a speaker which performs the end of an auction and recession directions to the driver of a subject vehicle is connected to this electric-sign board 17 or the central controller 6.

[0012]In addition, the amplifier in the hall, the \*\*\*\* result printer 19, and the modem 21 that makes connection for information exchange with the other halls in case it connects with the other halls and an auction is performed are attached to the central controller 6. To connect between the halls as mentioned above and perform the auction in two or more halls, it is necessary to form the image display device (not shown) which displays the detailed information of exhibition vehicles on a picture, and is displayed on each hall.

[0013]Specific information memory storage 23 which memorizes the already described specific information, and pieces of other equipment is built in said host computer 3, The arithmetic unit 24 which puts on the central controller 6 a start price and after that, and integrates \*\*\*\*\* and the amount of the upper load (a part for a \*\*\*\* price hike), It has the control device 27 grade which processes the above-mentioned memory information besides [ which memorizes required information, including specific information, the inputted \*\*\*\* price, a purchaser's tender information said result of an operation, etc., ] the memory storage 26, and displays these parts or all on the electric-sign board 17.

[0014]And the CD distribution power board 12 is provided with the price input device 28 as for which can burn few and \*\*\*\*\* drives and which inputs the amount of the upper load to

\*\*\*\*\*. Similarly in the adjustment room distribution power board 14, In a purchase person, the adjustment balance or these which are the difference of the adjusted price or this adjusted price, and \*\*\*\* price which were adjusted between the exhibitor and the conductor when the last \*\*\*\* price before an unsuccessful bid was less than an exhibitor's desired price carry, and by \*\*. It has the adjustment input device 29 which inputs into a control device the amount of money which is the result of changing.

[0015]Run to the electric-sign board 17 and the price display equipment 31 and the adjustment balance which display \*\*\*\*\* like "000 more yen", Or the adjustment display device 32 etc. which indicate the adjusted price by a display directly. As shown in drawing 1, an exhibition number. The exhibition number display 33 and purchaser number to display. The model of the purchaser display device 34 to display and vehicles. The bid display device 38 which carries out lamp display of the model display device 36 to display, the evaluation-items display device 37 which expressed the value display of vehicles numerically, the bid situation, etc., the far and near display device 39 showing the distance of a \*\*\*\* price to an exhibitor's desired price, and the award-of-contract display-device which blinks at time of award of contract 41 grade are provided. The adjustment display device 32 serves as the display device which displays the comment message about vehicles and others, for example like "today's specially selected car" before price adjustment with an exhibitor and a conductor. In the adjustment input device 29, switching operation of these is carried out with a change-over switch.

[0016]next -- if the main operations, the operation of display equipment, etc. are explained, the tender display device 38 of the electric-sign board 17 in drawing 1 will be divided into three colors of green, yellow, and red -- for example, one tender -- said -- each different colors shows the character in 2 and beyond said 3, and different colors, such as red and green, shows the character of a "award of contract" and a "unsuccessful bid" similarly. The far and near display device 39 also expresses characters, such as "it is near", "sell out" out, and a "check", with different colors.

[0017]In [ while drawing 4 example/ each /-\*\*\*\*\* the display 12a of the CD distribution power board 12, and the keyboard 12b and various kinds of data which is illustrated can check with a conductor's hand ] the keyboard 12b, The start of \*\*\*\*, a price input, an award-of-contract check, etc. are performed, and the time set of \*\*\*\* processing, etc. are possible.

[0018]drawing 5 expresses the display 13a of the adjustment room distribution power board 13, and the keyboard 13b, and display information and the contents of operation are substantially the same as the case of the CD distribution power board 12, although like, Auxiliary operation of a main conductor's operation is possible, and also the input of the adjustment balance which is an adjustment (adjusted price = with no hall display) input with the exhibitor desired price after the \*\*\*\* price stop in the hall or a difference of an adjusted price and a \*\*\*\* price, a display, etc. are performed. The adjustment balance is inputted and displayed by UP or DOWN operation.

Although the comment in the CD distribution power board 12 and the adjustment room distribution power board 13 is inputted by each comment key 12c and 13c and it is displayed on the adjustment display device 32 instead of other comment displays, for example, -- "-- a display like after OO 1000 yen" -- rising -- it decreases the unit amount of money (for example, 3000 yen) every. And it indicates that the "after OO circle" became becomes zero at "\*\*\*\*\*."

[0019]If operation of the above auction devices is performed like the flow chart of drawing 2, more than an exhibitor's desired price carries by \*\*\*\* of a machine response after the start of a

mechanical auction and it stops by \*\*\*\*\*, will end the auction of the exhibit concerned by award of contract, but. Even if a \*\*\*\* price stops, when there are a desired price and a fall, a desired price is adjusted by the exhibitor and a conductor, the difference (adjustment balance) of the adjusted price and \*\*\*\* price is displayed, by telling the range which can be awarded to a purchaser, it carries again and \*\* is started. And it goes on in the following \*\*\*\* price, carrying again and bringing down the adjustment balance one by one by \*\*.

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[Translation done.]

## DESCRIPTION OF DRAWINGS

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[Brief Description of the Drawings]

[Drawing 1] It is a block diagram of many pieces of the auto auction equipment in which the working example of this invention is shown.

[Drawing 2] It is a block diagram of auto auction equipment.

[Drawing 3] An example of the operation flow chart by auto auction equipment is shown.

[Drawing 4] They are a display of a conductor distribution power board, and a top view of a keyboard.

[Drawing 5] They are a display of an adjustment room distribution power board, and a top view of a keyboard.

[Explanations of letters or numerals]

2 Visitor reception machine

3 Host computer

6 Central controller

7 Bid machine

12 Conductor distribution power board

13 Adjustment room distribution power board

17 Electric-sign board

24 Arithmetic unit

26 Memory storage

27 Control device

28 Price input device

29 Adjustment input device

31 Price display equipment

32 Adjustment display device

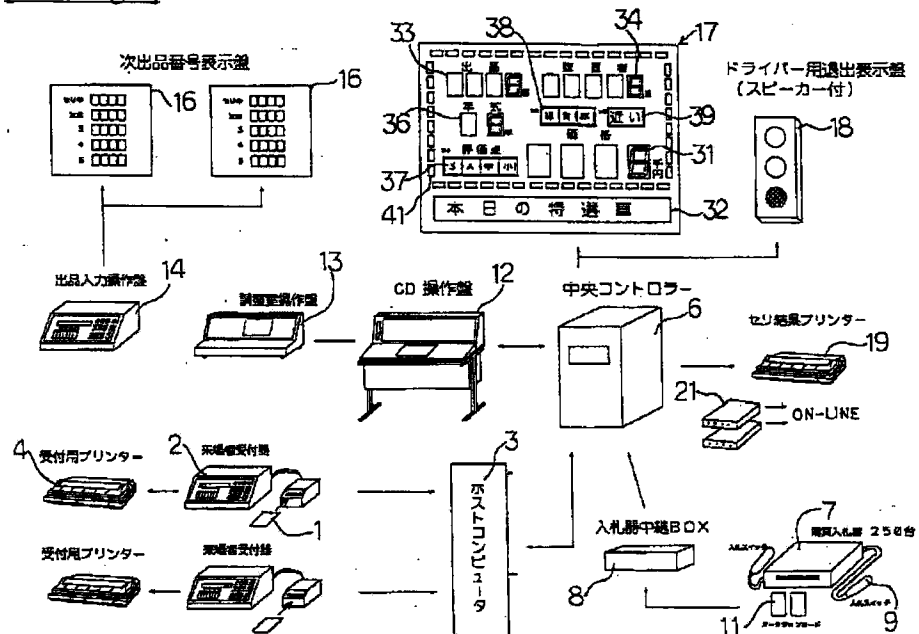
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[Translation done.]

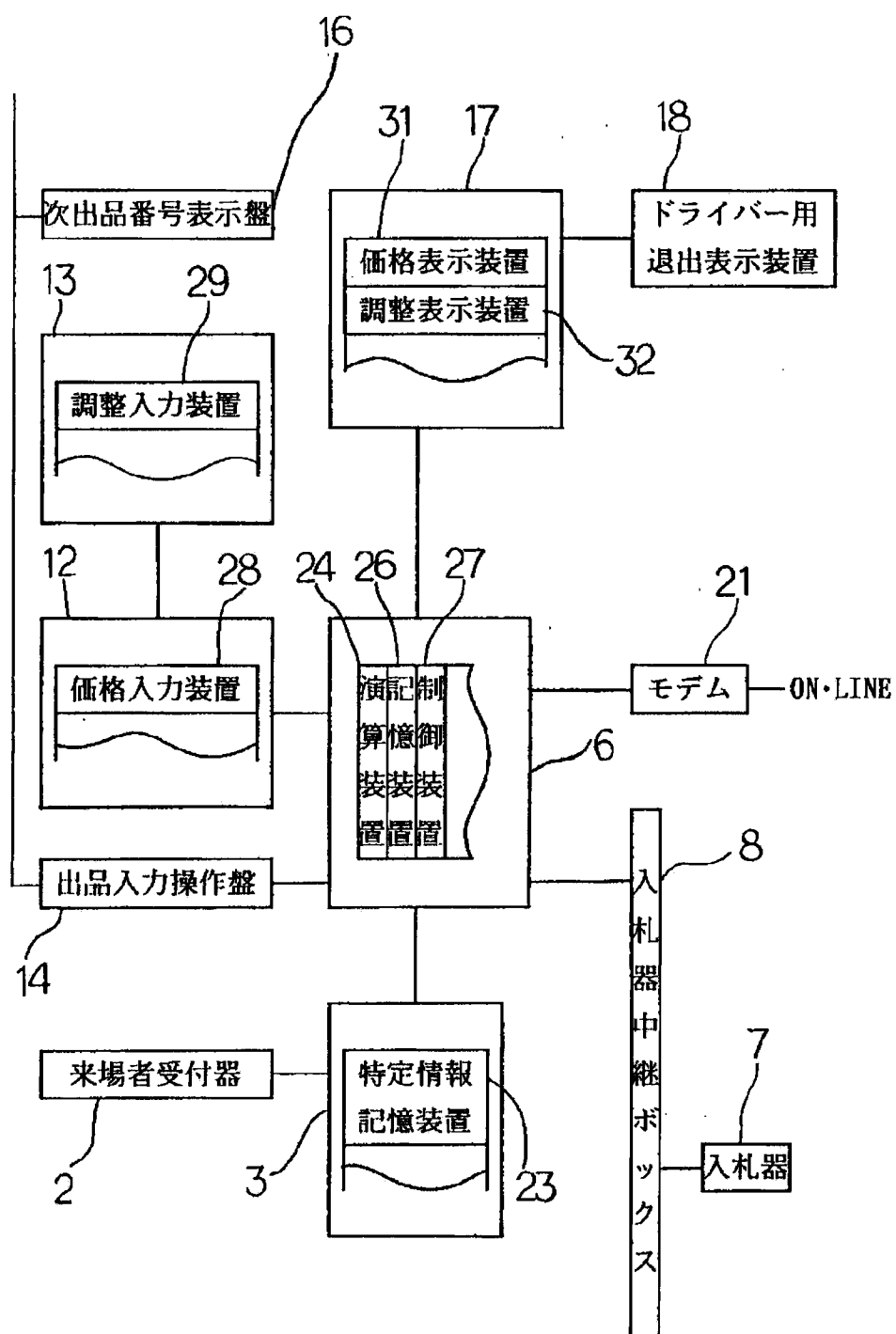
## DRAWINGS

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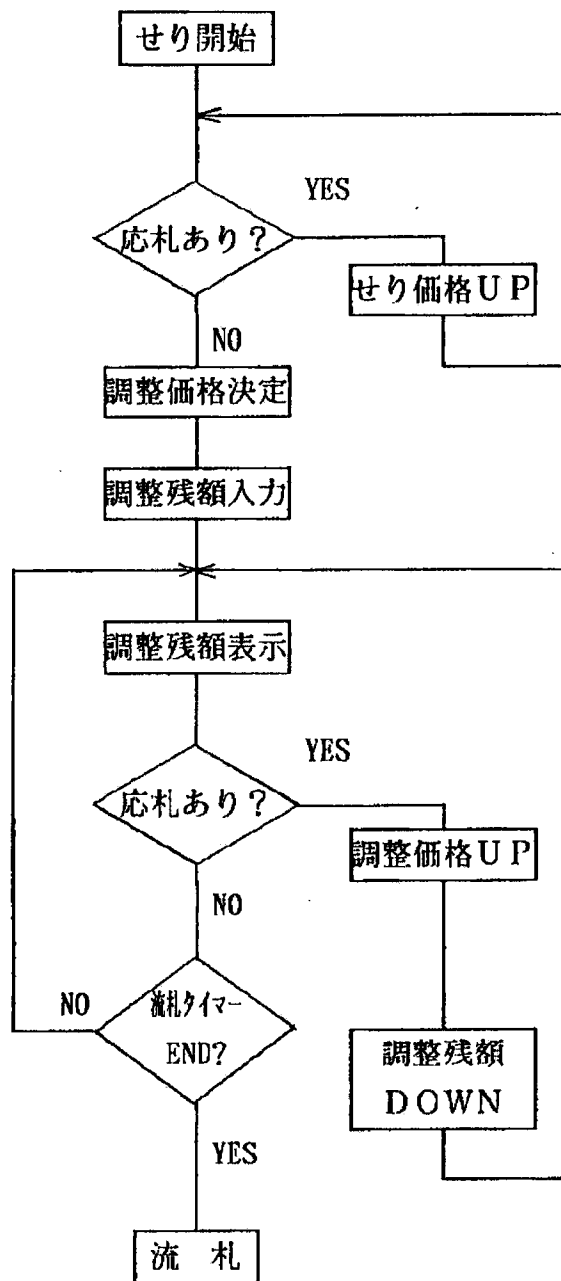
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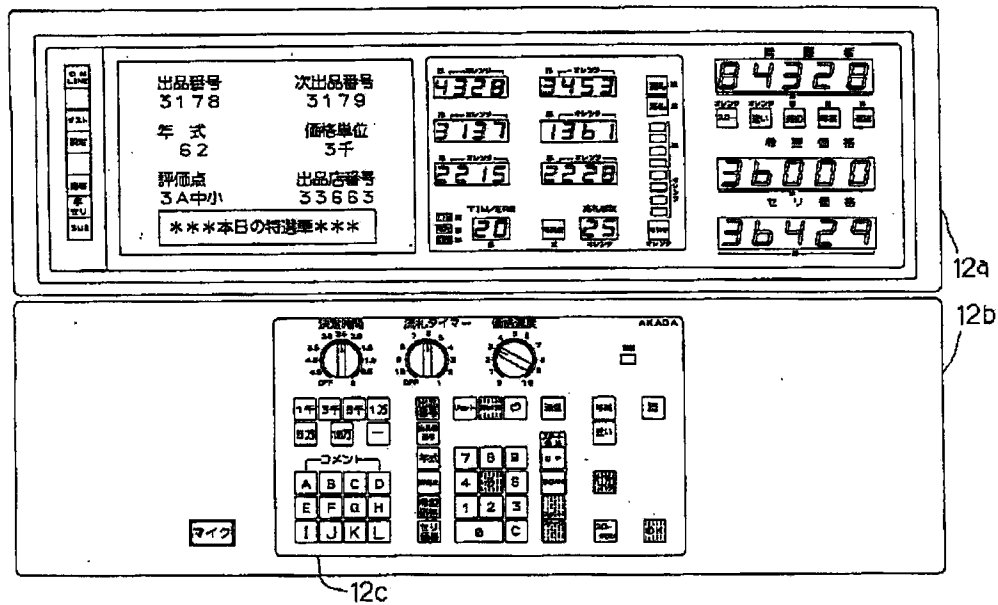
[Drawing 2]



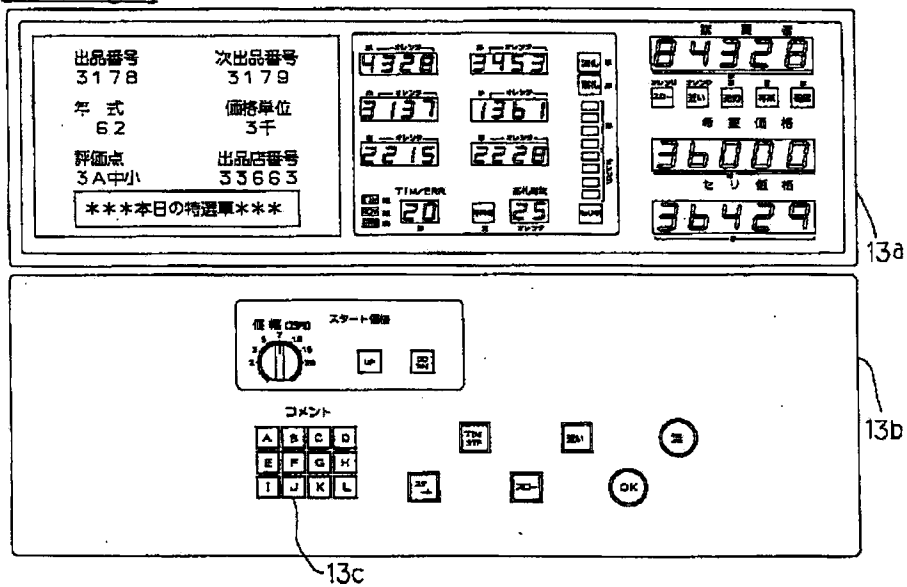
[Drawing 3]



[Drawing 4]



[Drawing 5]



[Translation done.]

## WRITTEN AMENDMENT

----- [Written Amendment]

[Filing date] Heisei 5(1993) June 1

[Amendment 1]

[Document to be Amended]Description

[Item(s) to be Amended]Claim 1

[Method of Amendment]Change

[Proposed Amendment]

[Claim 1]In a machine auction device characterized by comprising the following, In a purchase person, the adjustment balance or these which are the difference of an adjusted price or this adjusted price, and a \*\*\*\* price which were adjusted between an exhibitor and a conductor when the last \*\*\*\* price before an unsuccessful bid was less than an exhibitor's desired price carry, and by \*\*. Auction price adjustment equipment, such as vehicles provided with an adjustment display device (32) which displays an input result of the above-mentioned adjustment input device (29) with an adjustment input device (29) which inputs into a control device (27) the amount of money which is the result of changing, and the above-mentioned control device (27). Specific information memory storage (23) which memorizes specific information including information about information, an exhibitor, and a purchaser of an inputted subject. A price input device (28) which inputs a \*\*\*\* price and the amount [ as opposed to / drive and / \*\*\*\*\* ] of the upper load.

\*\*\*\* price display equipment (31) which can describe in a top and displays \*\*\*\*\*.

A control device (27) which a purchaser remembers said input and the result of an operation to be the arithmetic units (24) which compute the following \*\*\*\* price from a bid machine (7) which carries out a response input to a \*\*\*\* price, and a \*\*\*\* price and the amount of the upper load, and outputs a part or all of these memory information and said specific information to a display device.

[Amendment 2]

[Document to be Amended]Description

[Item(s) to be Amended]DETAILED DESCRIPTION

[Method of Amendment]Change

[Proposed Amendment]

[Detailed Description of the Invention]

[0001]

[Industrial Application]This invention relates to auction price adjustment equipment, such as vehicles used at mechanical auctions, such as a secondhand car.

[0002]

[Description of the Prior Art]In order to cancel the inefficiency of \*\*\*\*\* for which \*\*\*\* people bid in the conventional auto auction to the price which a conductor presents, The machine auction which performs \*\*\*\* with the bid machine by the side of the \*\*\*\* people linked to the POS computer and this is performed, \*\*\*\* was continued and it had become the following composition as that equipment until the constant sum [ every ] \*\*\*\* price was automatically raised at this machine auction from the start prices of exhibition vehicles according to \*\*\*\*, and it was awarded eventually or it bid unsuccessfully in disagreement with an exhibitor's desired price.

[0003]Namely, specific information memory storage which memorizes the specific information which consists of information about the information, exhibitor, and purchaser of the exhibition subject inputted beforehand, A price input device which inputs a \*\*\*\* price and the amount [ as opposed to / drive and / \*\*\*\*\* ] of the upper load, and \*\*\*\* price display equipment which can describe in a top and displays \*\*\*\*\* , It has an arithmetic unit which computes the \*\*\*\* price of



the bid machine in which a purchaser does a response input to a \*\*\*\* price, and a \*\*\*\* price and the amount of the upper load to the next, and a control device which memorizes said input and the result of an operation, and outputs a part or all of these memory information and said specific information to a display device.

[0004]

[Problem to be solved by the invention]However, in the conventional mechanical auction, when \*\*\*\* going up stopped, it was a system automatically bid unsuccessfully after 1-hour progress, and adaptable processing like \*\*\*\*\* which a conductor manages could not be taken, but there was unreasonableness in which the possible exhibit of an award of contract was also bid unsuccessfully according to management.

[0005]

[Means for solving problem]What uses as an offer plug that this invention is characterized by that comprises the following.

It is what uses as an offer plug the equipment which compensates the fault of the conventional mechanical auction [ like ], seasons the above with the goodness of \*\*\*\*\*, and can expect the number of processing from it in addition, As opposed to conventional equipment, The adjustment input device 29 which inputs into the control device 27 the amount of money whose adjustment balance or these which are the difference of the adjusted price or this adjusted price, and \*\*\*\* price which were adjusted between the exhibitor and the conductor when the last \*\*\*\* price before an unsuccessful bid was less than an exhibitor's desired price are the results of carrying and changing by \*\* for a purchase person.

The adjustment display device 32 which displays the input result of the above-mentioned adjustment input device 29 with the above-mentioned control device 27.

[0006]

[Function]The specific information memory storage 23 memorizes the specific information which consists of information about the information, exhibitor, and purchaser of the inputted exhibition subject, Drive price input device 28, \*\*\*\*\* drives, and the amount of the upper load to \*\*\*\*\* is inputted, A top can describe the \*\*\*\* price display equipment 31, display \*\*\*\*\*, and a purchaser does the response input of the bid machine 7 to a \*\*\*\* price, Arithmetic unit 24, it drives and the following \*\*\*\* price is computed from \*\*\*\*\* and the amount of the upper load, and a controller memorizes said input and the result of an operation, and outputs a part or all of these memory information and said specific information to a display device.

[0007]The adjustment input device 29, When the last \*\*\*\* price before an unsuccessful bid is less than an exhibitor's desired price, the adjustment balance or these which are the difference of the adjusted price or this adjusted price, and \*\*\*\* price which were adjusted between the exhibitor and the conductor input into the control device 27 the amount of money which is the result of carrying and changing by \*\* as for a purchase person. the adjustment display device 32 is the above-mentioned controller -- the input result of the above-mentioned adjustment input device 29 is displayed more.

[0008]

[Working example]The participating purchaser who drawing 1 is a block diagram of a system and equipment showing the working example of this invention, and was first registered beforehand on the occasion of the auction inserts the membership card 1 in the visitor reception machine 2, and performs a reception check and a check, After finishing an input to the host computer 3, with the printer 4 for reception, a reception certificate is received and it comes in.

"Specific information", such as a desired price etc. of other exhibitors who are the information about the name of a purchaser and an exhibitor, the existence of participating qualification, a prohibition person's check information, a track record, etc., a type of a car about exhibition vehicles, other model and vehicle state detailed information, etc. beforehand, is inputted into the above-mentioned host computer 3, and it memorizes, Such specific information is inputted into the central controller 6 with which the auction hall was equipped in advance of the auction, or is outputted at any time.

[0009]The central controllers 6 are computer paraphernalia which carry out \*\*\*\* processing in the auction hall, On the other hand, it is connected with the purchase bid machine 7 prepared for the purchaser's seat via the bid machine junction box 8, The bid switch 9 for putting on the purchase bid machine 7 after a start price, and answering \*\*\*\*\* etc. is attached, and it has the composition that the purchaser who ended reception in the auction hall inserts the auction card 11 at the auction hall, and performs the check and check of intervention.

[0010][0010]. Conductor (CD) distribution power board 1 \*\*\*\*\* which a conductor inputs into - RA 6 as the auction processing matter of change of a numerical value or others from a start to an end at central KO according to advance of \*\*\*\* on the other hand.

It is carried out and to the CD distribution power board 12 further in the adjustment room attached to the auction hall, The adjustment room distribution power board 13 which performs the input at the time of adjusting the desired price to a \*\*\*\* price between a conductor and an exhibitor, and deciding an adjusted price, etc. should be connected, and this adjustment room distribution power board 13 is provided with the function same in general as the CD distribution power board 12, and connect it to the central controller 6 directly.

[0011]the following exhibition number display board 16 by which the exhibition alter operation board 14 is furthermore connected to the central controller 6, and inputs the exhibition number of the subject vehicle in which the present \*\*\*\*\* is performed, and the exhibition number of some vehicles which continue after that one by one, and it is indicated by an electric light at the hall -- output displaying of the contents is carried out to ... The contents of an auction which are the minimum well-known matter performed by the participating purchaser and computer, and a result, While being displayed on the electric signboard 17 which is installed in the hall and connected to the central controller 6, the recession indicator 18 for drivers with a speaker which performs the end of an auction and recession directions to the driver of a subject vehicle is connected to this electric-sign board 17 or the central controller 6.

[0012]In addition, the amplifier in the hall, the \*\*\*\* result printer 19, and the modem 21 that makes connection for information exchange with the other halls in case it connects with the other halls and an auction is performed are attached to the central controller 6. To connect between the halls as mentioned above and perform the auction in two or more halls, it is necessary to form the image display device (not shown) which displays the detailed information of exhibition vehicles on a picture, and is displayed on each hall.

[0013]Specific information memory storage 23 which memorizes the already described specific information, and pieces of other equipment is built in said host computer 3, The arithmetic unit 24 which puts on the central controller 6 a start price and after that, and integrates \*\*\*\*\* and the amount of the upper load (a part for a \*\*\*\* price hike), It has the control device 27 grade which processes the above-mentioned memory information besides [ which memorizes required information, including specific information, the inputted \*\*\*\* price, a purchaser's tender information said result of an operation, etc., ] the memory storage 26, and displays these parts or

all on the electric-sign board 17.

[0014]And the CD distribution power board 12 is provided with the price input device 28 as for which can burn few and \*\*\*\*\* drives and which inputs the amount of the upper load to \*\*\*\*\*. Similarly in the adjustment room distribution power board 14, In a purchase person, the adjustment balance or these which are the difference of the adjusted price or this adjusted price, and \*\*\*\* price which were adjusted between the exhibitor and the conductor when the last \*\*\*\* price before an unsuccessful bid was less than an exhibitor's desired price carry, and by \*\*. It has the adjustment input device 29 which inputs into a control device the amount of money which is the result of changing.

[0015]Run to the electric-sign board 17 and the price display equipment 31 and the adjustment balance which display \*\*\*\*\* like "000 more yen", Or the adjustment display device 32 etc. which indicate the adjusted price by a display directly. As shown in drawing 1, an exhibition number. The exhibition number display 33 and purchaser number to display. The model of the purchaser display device 34 to display and vehicles. The bid display device 38 which carries out lamp display of the model display device 36 to display, the evaluation-items display device 37 which expressed the value display of vehicles numerically, the bid situation, etc., the far and near display device 39 showing the distance of a \*\*\*\* price to an exhibitor's desired price, and the award-of-contract display-device which blinks at time of award of contract 41 grade are provided. The adjustment display device 32 serves as the display device which displays the comment message about vehicles and others, for example like "today's specially selected car" before price adjustment with an exhibitor and a conductor.

In the adjustment input device 29, switching operation of these is carried out with a change-over switch.

[0016]next -- if the main operations, the operation of display equipment, etc. are explained, the tender display device 38 of the electric-sign board 17 in drawing 1 will be divided into three colors of green, yellow, and red -- for example, one tender -- said -- each different colors shows the character in 2 and beyond said 3, and different colors, such as red and green, shows the character of a "award of contract" and a "unsuccessful bid" similarly. The far and near display device 39 also expresses characters, such as "it is near", "sell out" out, and a "check", with different colors.

[0017]In [ while drawing 4 example/ each /-\*\*\*\*\* the display 12a of the CD distribution power board 12, and the keyboard 12b and various kinds of data which is illustrated can check with a conductor's hand ] the keyboard 12b, The start of \*\*\*\*, a price input, an award-of-contract check, etc. are performed, and the time set of \*\*\*\* processing, etc. are possible.

[0018]drawing 5 expresses the display 13a of the adjustment room distribution power board 13, and the keyboard 13b, and display information and the contents of operation are substantially the same as the case of the CD distribution power board 12, although like, Auxiliary operation of a main conductor's operation is possible, and also the input of the adjustment balance which is an adjustment (adjusted price = with no hall display) input with the exhibitor desired price after the \*\*\*\* price stop in the hall or a difference of an adjusted price and a \*\*\*\* price, a display, etc. are performed. The adjustment balance is inputted and displayed by UP or DOWN operation. Although the comment in the CD distribution power board 12 and the adjustment room distribution power board 13 is inputted by each comment key 12c and 13c and it is displayed on the adjustment display device 32 instead of other comment displays, for example, -- "-- a display like after OO 1000 yen" -- rising -- it decreases the unit amount of money (for example, 3000

yen) every. And it indicates that the "after OO circle" became becomes zero at "\*\*\*\*\*."

[0019]If operation of the above auction devices is performed like the flow chart of drawing 2, more than an exhibitor's desired price carries by \*\*\*\* of a machine response after the start of a mechanical auction and it stops by \*\*\*\*\*, will end the auction of the exhibit concerned by award of contract, but. Even if a \*\*\*\* price stops, when there are a desired price and a fall, a desired price is adjusted by the exhibitor and a conductor, the difference (adjustment balance) of the adjusted price and \*\*\*\* price is displayed, by telling the range which can be awarded to a purchaser, it carries again and \*\* is started. And it goes on in the following \*\*\*\* price, carrying again and bringing down the adjustment balance one by one by \*\*.

[0020]

[Effect of the Invention]As opposed to the unsuccessful bid case of many exhibits in the conventional mechanical auction device which does not have room for human judgment or adjustment to go into management of an auction according to the equipment of this invention constituted as mentioned above, Since the room of reconsideration of judgment of an exhibitor and a conductor and adjustment, and a purchaser is considered, it is effective in the quick nature of the auction by machine processing and the advantage of abundant processing, and improvement in the bid ratio by the adaptable adjustment near \*\*\*\*\* being expectable, and auction processing that economical efficiency is very high is attained.

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[Translation done.]

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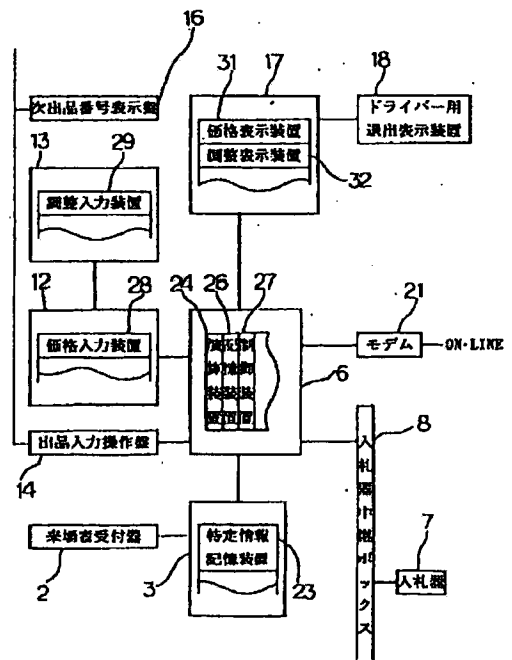
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(54)【発明の名称】 車両等のオークション価格調整装置

(57)【要約】

【目的】 中古自動車等の機械的オークションの迅速処理及び高能率性を維持しながら、人的判断と操作を加えることによって応札率を高める。

【構成】 出品者、出品物の情報を記憶させる特定情報記憶装置とせり価格等の入力・表示、応札、価格演算制御等を行う諸装置に、オークション処理中に人的判断を加えて人偽的にせり価格を再調整をして落札を促進する調整入力及び表示する諸装置を付加したことを特徴とする。



## 【特許請求の範囲】

【請求項 1】 入力された対象物の情報と出品者及び購買者に関する情報を含む特定情報を記憶する特定情報記憶装置（23）と、せり価格又はせり価格に対する上積額を入力する価格入力装置（28）と、上記せり価格を表示するせり価格表示装置（31）と、購買者がせり価格に対して応答入力する入札器（7）と、せり価格と上積額から次のせり価格を算出する演算装置（24）と、前記入力情報と演算結果を記憶し、これらの記憶情報及び前記特定情報の一部又は全部を表示装置に出力する制御装置（27）とを備えた機械オークション装置において、流札前の最終せり価格が出品者の希望価格に充たない場合に出品者とコンダクターとの間で調整した調整価格又は該調整価格とせり価格との差額である調整残額若しくはこれらが購買者のせりによって変動した結果である金額を制御装置（27）に入力する調整入力装置（29）と上記制御装置（27）により上記調整入力装置（29）の入力結果を表示する調整表示装置（32）とを備えてなる車両等のオークション価格調整装置。

## 【発明の詳細な説明】

## 【0001】

【産業上の利用分野】 この発明は中古自動車等の機械的オークションで用いられる車両等のオークション価格調整装置に関する。

## 【0002】

【従来の技術】 従来のオートオークションでは、コンダクターの提示する価格に対して、せり人が入札する手ぜりの非効率性を解消するために、ポス・コンピューター及びこれと接続したせり人側の入札器とでせりを行う機械オークションが行われており、この機械オークションでは出品車両のスタート価格からせりに応じて自動的に且つ一定額ずつせり価格が上げられ、最終的に落札され、あるいは出品者の希望価格との不一致で流札される迄せりが続けられるようになっており、その装置としては次のような構成となっていた。

【0003】 即ち予め入力された出品対象物の情報と出品者及び購買者に関する情報からなる特定情報を記憶する特定情報記憶装置と、せり価格又はせり価格に対する上積額を入力する価格入力装置と、上記せり価格を表示するせり価格表示装置と、購買者がせり価格に対して応答入力する入札器と、せり価格と上積額から次のせり価格を算出する演算装置と、前記入力情報と演算結果を記憶し、これらの記憶情報及び前記特定情報の一部又は全部を表示装置に出力する制御装置とを備えたものである。

## 【0004】

【発明が解決しようとする課題】 しかし、従来の機械的オークションでは、せり上がりが停止すると一時間経過後自動的に流札するシステムであり、コンダクターが運営する手ぜりのような臨機応変な処理がとれず、運営次

第では落札の可能性のある出品物でも流札するという不合理があった。

## 【0005】

【課題を解決するための手段】 この発明は上記のような従来の機械的オークションの欠点を補い、手ぜりの良さを加味してなお処理数の期待できる装置を提供せんとするもので、従来の装置に対し、流札前の最終せり価格が出品者の希望価格に充たない場合に出品者とコンダクターとの間で調整した調整価格又は該調整価格とせり価格との差額である調整残額若しくはこれらが購買者のせりによって変動した結果である金額を制御装置 27 に入力する調整入力装置 29 と、上記制御装置 27 により上記調整入力装置 29 の入力結果を表示する調整表示装置 32 とを備えたものを提供せんとするものである。

## 【0006】

【作用】 特定情報記憶装置 23 は、入力された出品対象物の情報と出品者及び購買者に関する情報からなる特定情報を記憶し、価格入力装置 28 はせり価格又はせり価格に対する上積額を入力し、せり価格表示装置 31 は上記せり価格を表示し、入札器 7 は購買者がせり価格に対して応答入力し、演算装置 24 はせり価格と上積額から次のせり価格を算出し、コントローラは前記入力情報と演算結果を記憶し、これらの記憶情報及び前記特定情報の一部又は全部を表示装置に出力するものである。

【0007】 また調整入力装置 29 は、流札前の最終せり価格が出品者の希望価格に充たない場合に出品者とコンダクターとの間で調整した調整価格又は該調整価格とせり価格との差額である調整残額若しくはこれらが購買者のせりによって変動した結果である金額を制御装置 27 に入力する。調整表示装置 32 は上記コントローラにより上記調整入力装置 29 の入力結果を表示する。

## 【0008】

【実施例】 図 1 は本発明の実施例を示すシステム及び装置の構成図で、先ずオークションに際し予め登録された参加購買者は会員カード 1 を来場者受付器 2 に差し込んで受付確認及びチェックを行い、ホストコンピューター 3 に入力を済ませた上で、受付用プリンター 4 で受付証を受け取って入場する。上記ホストコンピューター 3 には予め購買者及び出品者の氏名や参加資格の有無、禁止者のチェック情報、実績等に関する情報、出品車両に関する車種、年式その他の車両状態詳細情報等のほか出品者の希望価格等の「特定情報」が入力されて記憶されており、これらの特定情報は、オークションに先立ってオークション会場に備えられた中央コントローラ 6 に入力されあるいは随時アウトプットされる。

【0009】 中央コントローラ 6 はオークション会場におけるせり処理をするコンピューター装置で、一方で購買者の席に用意された購買入札器 7 と入札器中継ボックス 8 を介して接続されており、購買入札器 7 にはスタート価格以後のせり価格等に応答するための入札スイッチ

9が取り付けられ、オークション会場の受付を終了した購買者が、オークション会場においてオークションカード11を差し込んで参加のチェック及び確認を行う構成となっている。

【0010】他方で中央コントローラ6には、コンダクターがせりの進行に応じてスタートから終了まで数値の変更やその他のオークション処理事項と入力するコンダクター(CD)操作盤12が接続されており、さらにCD操作盤12にはオークション会場に付設された調整室内で、コンダクターと出品者間でせり価格に対する希望価格の調整を行って調整価格を決める際の入力等を行う調整室操作盤13が接続され、この調整室操作盤13は概ねCD操作盤12と同様な機能を備えており、直接中央コントローラ6に接続することも可能である。

【0011】さらに中央コントローラ6には出品入力操作盤14が接続され、現にせりが行われている対象車両の出品番号、その後続くいくつかの車両の出品番号を順次入力し、会場に電光表示される次出品番号表示盤16・・・にその内容を出力表示するものである。参加購買者とコンピューターによって行われる最小限の周知事項であるオークション内容や結果は、会場内に設置された中央コントローラ6に接続されている電光掲示板17に表示されるとともに、該電光掲示板17又は中央コントローラ6には、対象車両の運転手に対してオークション終了及び退出指示を行うスピーカ付のドライバー用退出表示盤18が接続されている。

【0012】その他中央コントローラ6には、会場内アンブやせり結果プリンター19や、他会場と連結してオークションが行われる場合の他会場との情報交換のための接続を行うモデム21が取り付けられている。上記のように会場間を連結して複数会場でのオークションを行う場合は、出品車両の詳細情報を画像に表示して各会場に表示する画像表示装置(図示しない)を設ける必要がある。

【0013】前記ホストコンピューター3には既に述べた特定情報を記憶する特定情報記憶装置23その他の装置を内蔵しており、また中央コントローラ6にはスタート価格及びその後のせり価格と上積額(せり価格上昇分)とを積算する演算装置24と、特定情報、入力されたせり価格、購買者の応札情報、前記演算結果等の必要な情報を記憶する記憶装置26のほか、上記記憶情報を処理してこれらの一部又は全部を電光掲示板17に表示する制御装置27等を備えている。

【0014】そしてCD操作盤12は少なくともせり価格又はせり価格に対する上積額を入力する価格入力装置28を備えている。同様に調整室操作盤14内には、流札前の最終せり価格が出品者の希望価格に充たない場合に出品者とコンダクターとの間で調整した調整価格又は該調整価格とせり価格との差額である調整残額若しくはこれらが購買者のせりによって変動した結果である金額

を制御装置に入力する調整入力装置29を備えている。

【0015】また電光掲示板17にはせり価格を表示する価格表示装置31、調整残額を「あと000円」のように、あるいは調整価格を直接ディスプレイ表示する調整表示装置32のほか、図1に示すように出品番号を表示する出品番号表示装置33、購買者番号を表示する購買者表示装置34、車両の年式を表示する年式表示装置36、車両の価値表示を数値で表わした評価点表示装置37、入札情况等をランプ表示する入札表示装置38、出品者の希望価格に対するせり価格の遠近を表す遠近表示装置39、落札時に点減する落札表示装置41等が設けられている。なお調整表示装置32は、出品者とコンダクターとの価格調整前においては、例えば「本日の特選車」等のように車両その他に関するコメントメッセージを表示する表示装置を兼ねており、これらは調整入力装置29において切換スイッチにより切換え操作させる。

【0016】次に主な操作及び表示機器の作動等について説明すると、図1における電光掲示板17の応札表示装置38は緑、黄、赤の三色に分かれており、例えば応札数1、同2、同3以上の場合の文字を各色違いで示し、同様に「落札」、「流札」の文字も赤、緑等の色違いで示す。また遠近表示装置39も「近い」、「売切れ」、「確認」等の文字を色違いで表す。

【0017】図4はCD操作盤12のディスプレイ12a、キーボード12bを各示しており、図示するような各種のデーターがコンダクターの手元で確認できるとともにキーボード12bにおいて、せりのスタート、価格入力、落札確認等を行い、せり処理のタイムセット等も可能である。

【0018】図5は調整室操作盤13のディスプレイ13a、キーボード13bを表し、表示内容、操作内容はCD操作盤12の場合と略同様であるが、メインコンダクターの操作の補助的操作が可能であるほか、会場におけるせり価格停止後の出品者希望価格との調整(調整価格=会場表示なし)入力又は調整価格とせり価格の差である調整残額の入力、表示等が行われる。調整残額はUP又はDOWN操作によって入力・表示される。CD操作盤12、調整室操作盤13におけるコメントはそれぞれのコメントキー12c、13cによって入力され、他のコメント表示に代わって調整表示装置32に表示されるが、例えば「あと〇〇千円」のような表示が、せり上がりによって単位金額(例えば3000円)ずつ減少する。そして「あと〇〇円」がゼロになると「売切」になったことを表示する。

【0019】以上のようなオークション装置の操作は例えば図2のフローチャートのように行われ、機械的オークションの開始以後機械応答のせりで出品者の希望価格以上のせり価格で停止すれば落札により当該出品物のオークションは終了するが、せり価格が停止しても希望価

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格と落差がある場合は、出品者とコンダクターで希望価格を調整し、その調整価格とせり価格の差額（調整残額）を表示させ、購買者に落札可能な範囲を知らせることにより再度のせりを開始する。そして再度のせりによって順次調整残額をダウンさせながら次のせり価格に進行するものである。

【0020】

【発明の効果】以上のように構成される本発明の装置によれば、オークションの運営に人的判断や調整が入る余地のない従来の機械的オークション装置における多くの出品物の流札ケースに対し、出品者とコンダクターの判断及び調整と購買者の再考の余地が加味されるので、機械処理によるオークションの迅速性及び多量処理の利点と、手ぜりに近い臨機応変な調整による落札率の向上が期待できる効果があり、きわめて経済性の高いオークション処理が可能となる。

【図面の簡単な説明】

【図1】本発明の実施例を示すオートオークション諸装置の構成図である。

【図2】オートオークション装置のブロック図である。

【図3】オートオークション装置による操作フローチャ

ートの一例を示す。

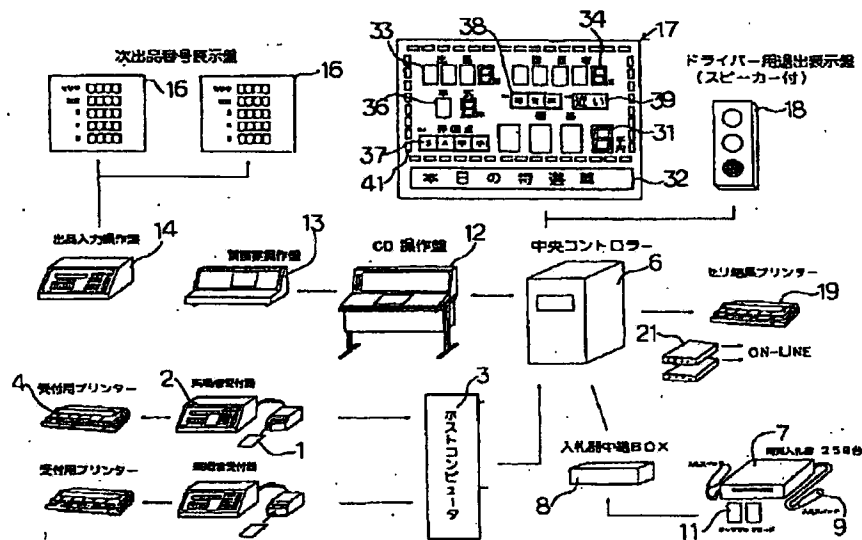
【図4】コンダクター操作盤のディスプレイとキーボードの平面図である。

【図5】調整室操作盤のディスプレイとキーボードの平面図である。

【符号の説明】

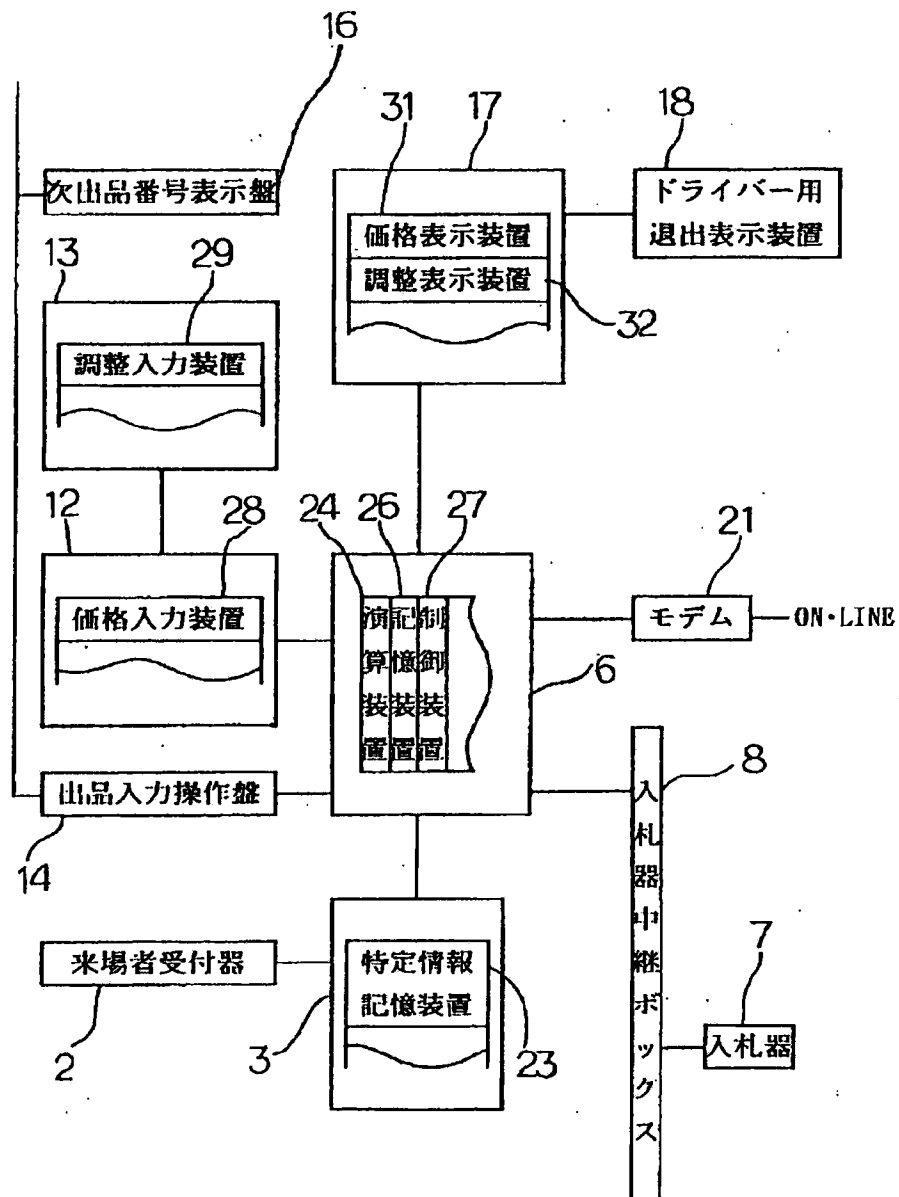
- 2 来場者受付器
- 3 ホストコンピューター
- 6 中央コントローラ
- 7 入札器
- 12 コンダクター操作盤
- 13 調整室操作盤
- 17 電光掲示盤
- 24 演算装置
- 26 記憶装置
- 27 制御装置
- 28 価格入力装置
- 29 調整入力装置
- 31 価格表示装置
- 32 調整表示装置

【図1】

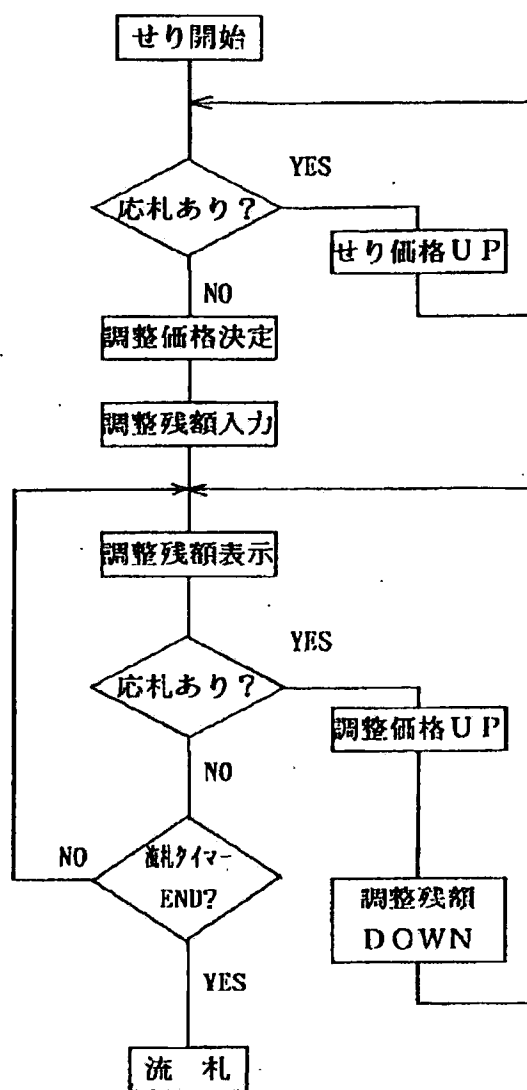




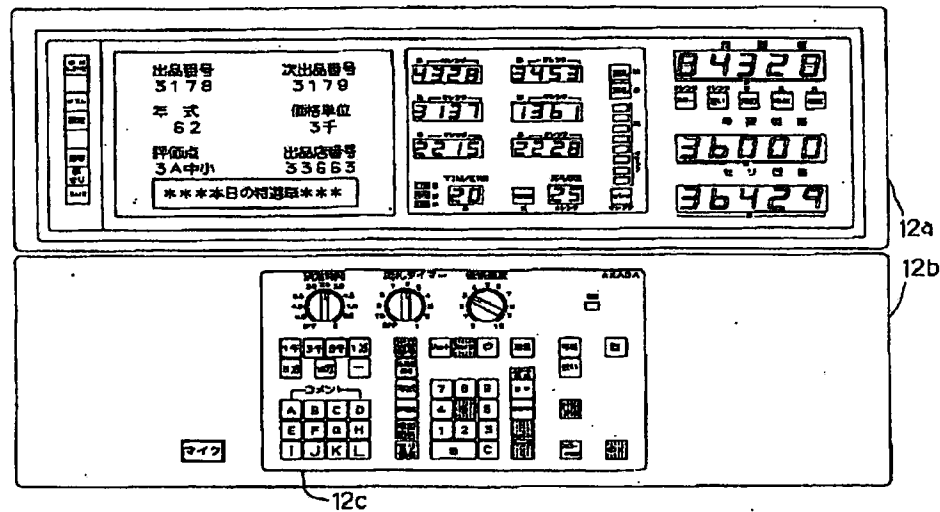
【図2】



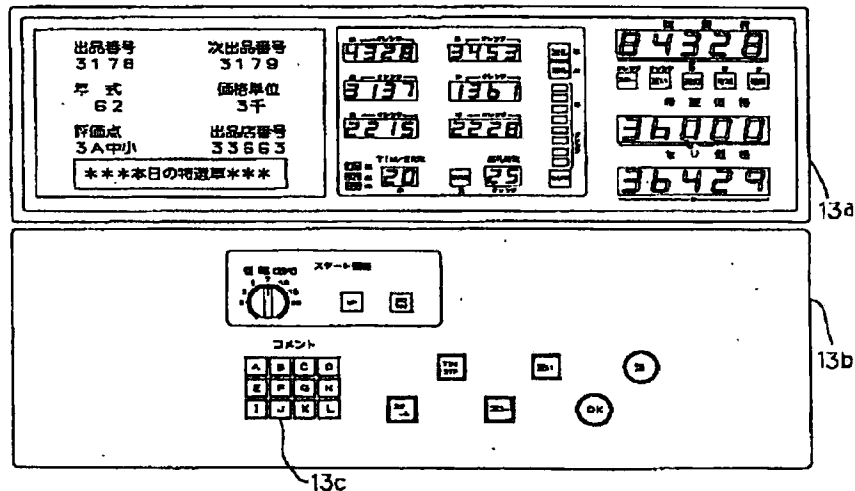
【図3】



【図4】



【図5】



## 【手続補正書】

【提出日】平成5年6月1日

【手続補正1】

【補正対象書類名】明細書

【補正対象項目名】請求項1

【補正方法】変更

【補正内容】

【請求項1】 入力された対象物の情報と出品者及び  
 購買者に関する情報を含む特定情報を記憶する特定情報  
 記憶装置(23)と、せり価格又はせり価格に対する上

積額を入力する価格入力装置(28)と、上記せり価格  
 を表示するせり価格表示装置(31)と、購買者がせり  
 価格に対して応答入力する入札器(7)と、せり価格と  
 上積額から次のせり価格を算出する演算装置(24)  
 と、前記入力情報と演算結果を記憶し、これらの記憶情  
 報及び前記特定情報の一部又は全部を表示装置に出力す  
 る制御装置(27)とを備えた機械オークション装置にお  
 いて、流札前の最終せり価格が出品者の希望価格に充  
 たない場合に出品者とコンダクターとの間で調整した調

整価格又は該調整価格とせり価格との差額である調整残額若しくはこれらが購買者のせりによって変動した結果である金額を制御装置(27)に入力する調整入力装置(29)と上記制御装置(27)により上記調整入力装置(29)の入力結果を表示する調整表示装置(32)とを備えてなる車両等のオークション価格調整装置。

【手続補正2】

【補正対象書類名】明細書

【補正対象項目名】発明の詳細な説明

【補正方法】変更

【補正内容】

【発明の詳細な説明】

【0001】

【産業上の利用分野】この発明は中古自動車等の機械的オークションで用いられる車両等のオークション価格調整装置に関する。

【0002】

【従来の技術】従来のオートオークションでは、コンダクターの提示する価格に対して、せり人が入札する手ぜりの非効率性を解消するために、ボス・コンピューター及びこれと接続したせり人側の入札器とでせりを行う機械オークションが行われており、この機械オークションでは出品車両のスタート価格からせりに応じて自動的に且つ一定額ずつせり価格が上げられ、最終的に落札され、あるいは出品者の希望価格との不一致で流札される迄せりが続けられるようになっており、その装置としては次のような構成となっていた。

【0003】即ち予め入力された出品対象物の情報と出品者及び購買者に関する情報からなる特定情報を記憶する特定情報記憶装置と、せり価格又はせり価格に対する上積額を入力する価格入力装置と、上記せり価格を表示するせり価格表示装置と、購買者がせり価格に対して応答入力する入札器と、せり価格と上積額から次のせり価格を算出する演算装置と、前記入力情報と演算結果を記憶し、これらの記憶情報及び前記特定情報の一部又は全部を表示装置に出力する制御装置とを備えたものである。

【0004】

【発明が解決しようとする課題】しかし、従来の機械的オークションでは、せり上がりが停止すると一時間経過後自動的に流札するシステムであり、コンダクターが運営する手ぜりのような臨機応変な処理がとれず、運営次第では落札の可能性のある出品物でも流札するという不合理があった。

【0005】

【課題を解決するための手段】この発明は上記のような従来の機械的オークションの欠点を補い、手ぜりの良さを加味してなお処理数の期待できる装置を提供せんとするもので、従来の装置に対し、流札前の最終せり価格が出品者の希望価格に充たない場合に出品者とコンダク

ターとの間で調整した調整価格又は該調整価格とせり価格との差額である調整残額若しくはこれらが購買者のせりによって変動した結果である金額を制御装置27に入力する調整入力装置29と、上記制御装置27により上記調整入力装置29の入力結果を表示する調整表示装置32とを備えたものを提供せんとするものである。

【0006】

【作用】特定情報記憶装置23は、入力された出品対象物の情報と出品者及び購買者に関する情報からなる特定情報を記憶し、価格入力装置28はせり価格又はせり価格に対する上積額を入力し、せり価格表示装置31は上記せり価格を表示し、入札器7は購買者がせり価格に対して応答入力し、演算装置24はせり価格と上積額から次のせり価格を算出し、コントローラは前記入力情報と演算結果を記憶し、これらの記憶情報及び前記特定情報の一部又は全部を表示装置に出力するものである。

【0007】また調整入力装置29は、流札前の最終せり価格が出品者の希望価格に充たない場合に出品者とコンダクターとの間で調整した調整価格又は該調整価格とせり価格との差額である調整残額若しくはこれらが購買者のせりによって変動した結果である金額を制御装置27に入力する。調整表示装置32は上記コントローラにより上記調整入力装置29の入力結果を表示する。

【0008】

【実施例】図1は本発明の実施例を示すシステム及び装置の構成図で、先ずオークションに際し予め登録された参加購買者は会員カード1を来場者受付器2に差し込んで受付確認及びチェックを行い、ホストコンピューター3に入力を済ませた上で、受付用プリンター4で受付証を受け取って入場する。上記ホストコンピューター3には予め購買者及び出品者の氏名や参加資格の有無、禁止者のチェック情報、実績等に関する情報、出品車両に関する車種、年式その他の車両状態詳細情報等のほか出品者の希望価格等の「特定情報」が入力されて記憶されており、これらの特定情報は、オークションに先立ってオークション会場に備えられた中央コントローラ6に入力されあるいは随時アウトプットされる。

【0009】中央コントローラ6はオークション会場におけるせり処理をするコンピューター装置で、一方で購買者の席に用意された購買入札器7と入札器中継ボックス8を介して接続されており、購買入札器7にはスタート価格以後のせり価格等に応答するための入札スイッチ9が取り付けられ、オークション会場の受付を終了した購買者が、オークション会場においてオークションカード11を差し込んで参加のチェック及び確認を行う構成となっている。

【0010】他方で中央コントローラ6には、コンダクターがせりの進行に応じてスタートから終了まで数値の変更やその他のオークション処理事項と入力するコンダクター(CD)操作盤12が接続されており、さらにC

D操作盤12にはオークション会場に付設された調整室内で、コンダクターと出品者間でせり価格に対する希望価格の調整を行って調整価格を決める際の入力等を行う調整室操作盤13が接続され、この調整室操作盤13は概ねCD操作盤12と同様な機能を備えており、直接中央コントローラ6に接続することも可能である。

【0011】さらに中央コントローラ6には出品入力操作盤14が接続され、現にせりが行われている対象車両の出品番号、その後に続くいくつかの車両の出品番号を順次入力し、会場に電光表示される次出品番号表示盤16・・・にその内容を出力表示するものである。参加購買者とコンピューターによって行われる最小限の周知事項であるオークション内容や結果は、会場内に設置された中央コントローラ6に接続されている電光掲示板17に表示されるとともに、該電光掲示板17又は中央コントローラ6には、対象車両の運転手に対してオークション終了及び退出指示を行うスピーカー付のドライバー用退出表示盤18が接続されている。

【0012】その他中央コントローラ6には、会場内アンブやせり結果プリンター19や、他会場と連結してオークションが行われる場合の他会場との情報交換のための接続を行うモデム21が取り付けられている。上記のように会場間を連結して複数会場でのオークションを行う場合は、出品車両の詳細情報を画像に表示して各会場に表示する画像表示装置（図示しない）を設ける必要がある。

【0013】前記ホストコンピューター3には既に述べた特定情報を記憶する特定情報記憶装置23その他の装置を内蔵しており、また中央コントローラ6にはスタート価格及びその後のせり価格と上積額（せり価格上昇分）とを積算する演算装置24と、特定情報、入力されたせり価格、購買者の応札情報、前記演算結果等の必要な情報を記憶する記憶装置26のほか、上記記憶情報を処理してこれらの一部又は全部を電光掲示板17に表示する制御装置27等を備えている。

【0014】そしてCD操作盤12は少なくともせり価格又はせり価格に対する上積額を入力する価格入力装置28を備えている。同様に調整室操作盤14内には、流札前の最終せり価格が出品者の希望価格に充たない場合に出品者とコンダクターとの間で調整した調整価格又は該調整価格とせり価格との差額である調整残額若しくはこれらが購買者のせりによって変動した結果である金額を制御装置に入力する調整入力装置29を備えている。

【0015】また電光掲示板17にはせり価格を表示する価格表示装置31、調整残額を「あと000円」のように、あるいは調整価格を直接ディスプレイ表示する調整表示装置32のほか、図1に示すように出品番号を表示する出品番号表示装置33、購買者番号を表示する購買者表示装置34、車両の年式を表示する年式表示装置36、車両の価値表示を数値で表わした評価点表示装置

37、入札状況等をランプ表示する入札表示装置38、出品者の希望価格に対するせり価格の遠近を表す遠近表示装置39、落札時に点滅する落札表示装置41等が設けられている。なお調整表示装置32は、出品者とコンダクターとの価格調整前においては、例えば「本日の特選車」等のように車両その他に関するコメントメッセージを表示する表示装置を兼ねており、これらは調整入力装置29において切換スイッチにより切換え操作させる。

【0016】次に主な操作及び表示機器の作動等について説明すると、図1における電光掲示板17の応札表示装置38は緑、黄、赤の三色に分かれており、例えば応札数1、同2、同3以上の場合の文字を各色違いで示し、同様に「落札」、「流札」の文字も赤、緑等の色違いで示す。また遠近表示装置39も「近い」、「売切れ」、「確認」等の文字を色違いで表す。

【0017】図4はCD操作盤12のディスプレイ12a、キーボード12bを各示しており、図示するような各種のデータがコンダクターの手元で確認できるとともにキーボード12bにおいて、せりのスタート、価格入力、落札確認等を行い、せり処理のタイムセット等も可能である。

【0018】図5は調整室操作盤13のディスプレイ13a、キーボード13bを表し、表示内容、操作内容はCD操作盤12の場合と略同様であるが、メインコンダクターの操作の補助的的操作が可能であるほか、会場におけるせり価格停止後の出品者希望価格との調整（調整価格＝会場表示なし）入力又は調整価格とせり価格の差である調整残額の入力、表示等が行われる。調整残額はUP又はDOWN操作によって入力・表示される。CD操作盤12、調整室操作盤13におけるコメントはそれぞれのコメントキー12c、13cによって入力され、他のコメント表示に代わって調整表示装置32に表示されるが、例えば「あと〇〇千円」のような表示が、せり上がりによって単位金額（例えば3000円）ずつ減少する。そして「あと〇〇円」がゼロになると「売切」になったことを表示する。

【0019】以上のようなオークション装置の操作は例えば図2のフローチャートのように行われ、機械的オークションの開始以後機械応答のせりで出品者の希望価格以上のせり価格で停止すれば落札により当該出品物のオークションは終了するが、せり価格が停止しても希望価格と落差がある場合は、出品者とコンダクターで希望価格を調整し、その調整価格とせり価格の差額（調整残額）を表示させ、購買者に落札可能な範囲を知らせることにより再度のせりを開始する。そして再度のせりによって順次調整残額をダウンさせながら次のせり価格に進行するものである。

【0020】

【発明の効果】以上のように構成される本発明の装置に

よれば、オークションの運営に人的判断や調整が入る余地のない従来の機械的オークション装置における多くの出品物の流札ケースに対し、出品者とコンダクターの判断及び調整と購買者の再考の余地が加味されるので、機

械処理によるオークションの迅速性及び多量処理の利点と、手ぜりに近い臨機応変な調整による落札率の向上が期待できる効果があり、きわめて経済性の高いオークション処理が可能となる。

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